

California Weather-Hydro Conditions during August 2016

As of August 31, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 95 percent of average to date; and reservoir storage, 85 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2016, observed through August 31, 2016 was about 17.1 million acre-feet (MAF), which is about 98 percent of average. In comparison to Water Year 2015, the observed Sacramento River Region unimpaired runoff through August 31, 2015 was about 9.0 MAF, or about 50 percent of average.

On August 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 57.8 inches, which is about 118 percent of the seasonal average to date and 116 percent of an average water year (50.0 inches). During August, the total precipitation for the 8-Stations was 0.0 inches. Last year on August 31, the Water Year 2015 seasonal total for the 8-Stations was 36.8 inches, or about 75 percent of average.

On August 31, the San Joaquin 5-Station Precipitation Index Water Year total was 40.0 inches, which is about 100 percent of the seasonal average to date and 98 percent of an average water year (40.8 inches). During August, the total precipitation for the 5-Stations was 0.0 inches. Last year on August 31, the Water Year 2015 seasonal total for the 5-Stations was 18.8 inches, or about 47 percent of average.

On August 31, the Tulare Basin 6-Station Precipitation Index Water Year total was 25.8 inches, which is about 90 percent of the seasonal average to date and 88 percent of an average water year (29.3 inches). During August, the total precipitation for the 6-Stations was 0.0 inches. Last year on August 31, the Water Year 2015 seasonal total for the 6-Stations was 13.4 inches, or about 47 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 08/31/2016					
Station	Oct 1 to Date 2015 - 2016	% Average	Season to Date 2014 - 2015	% Average	% Average Oct 1 - Sep 30
Mount Shasta	40.93	95	35.09	82	94
Eureka	44.01	111	30.48	77	109
Redding	37.30	110	23.12	68	108
South Lake Tahoe	22.13	112	13.91	71	109
Sacramento Executive Airport	16.14	89	15.43	85	87
Santa Rosa (Sonoma Co AP)	30.43	85	22.35	62	84
San Francisco	22.16	95	17.66	75	94
Stockton	16.60	121	10.68	78	118
Yosemite	36.07	97	18.42	49	95
Monterey	21.54	135	14.61	92	134
Paso Robles	7.37	59	8.40	67	58
Fresno	14.33	126	6.50	57	125
Bakersfield	5.44	85	5.29	83	84
Death Valley	1.68	78	1.05	49	71
Los Angeles	6.35	43	8.67	59	43
Riverside	5.17	43	5.82	48	42
Palm Springs	2.50	47	2.50	47	44
San Diego	7.73	76	10.03	98	75

Key Reservoir Storage (1,000 AF) as of 08/31/2016								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,060	1,803	59	2,448	43	---	1,388
Shasta Lake	Sacramento	3,132	2,878	109	4,552	69	-1,420	1,420
Lake Oroville	Feather	1,840	2,318	79	3,538	52	-1,698	1,698
New Bullards Bar Res	Yuba	677	653	104	966	70	-289	289
Folsom Lake	American	347	611	57	977	35	-630	630
New Melones Res	Stanislaus	544	1,387	39	2,400	23	-1,876	1,876
Don Pedro Res	Tuolumne	1,367	1,436	95	2,030	67	-663	663
Lake McClure	Merced	439	564	78	1,025	43	-580	586
Millerton Lake	San Joaquin	259	236	110	520	50	-261	261
Pine Flat Res	Kings	197	378	52	1,000	20	-803	803
Isabella	Kern	106	216	49	568	19	-256	462
San Luis Res	(Offstream)	322	858	38	2,041	16	---	1,717

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for September 2016, issued August 31, 2016, suggests average precipitation for all of California, except for the northernmost portion of the State, where below average precipitation is indicated.